CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.10/NNS/CEMENT/2013-14

Date: 20.07.2013

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
AGENCY	:	**Mr. N.N. Srinivasaish,** Contractor, Bangalore.
NAME OF THE WORK	:	Providing Chainlink fencing to storm water drain at selected reaches in Ward No.10, BBMP, Bangalore.
REFERENCE	:	AEE/VP/WO/128/2013-14 Dated: 18.07.2013
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	490 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	26.50 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 15 days from the date of testing.

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20/7/13

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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Job No.: CTCE/BBMP/W.No.10/NNS/SAND/2013-14 : 20.07.2013

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TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaish,** Contractor, Bangalore.

Name of Work : Providing Chainlink fencing to storm water drain at selected reaches in Ward No.10, BBMP, Bangalore.

Reference : AEE/VP/WO/128/2013-14 Dated: 18.07.2013

Date of Testing : 20.07.2013

Material : Sand Total Wt. of Aggregates in gms **2000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	104	5.20	5.20	94.8	90-100
2.36	215	10.75	15.95	84.1	75-100
1.18	523	26.15	42.10	57.9	55-90
600 Micron	416	20.80	62.90	37.1	35-59
300 Micron	492	24.60	87.50	12.5	8-30
150 Micron	205	10.25	97.75	2.3	0-10

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Job No.: CTCE/BBMP/W.No.10/NNS/AGG/2013-14 : 20.07.2013

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TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaish,** Contractor, Bangalore.

Name of Work : Providing Chainlink fencing to storm water drain at selected reaches in Ward No.10, BBMP, Bangalore.

Reference : AEE/VP/WO/128/2013-14 Dated: 18.07.2013

Date of Testing : 20.07.2013

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **25000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	995	3.98	3.98	96.02	95-100
20	15164	60.66	64.64	35.36	30-70
10	5960	23.84	88.48	11.52	10-35
4.75	2456	9.82	98.30	1.70	0-5

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JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.10/NNS/CUBE/2013-14

24.08.2013

TEST REPORT ON CONCRETE CUBES

Client	: **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
Agency	: **Mr. N.N. Srinivasaish,** Contractor, Bangalore.
Name of the work	: Providing Chainlink fencing to storm water drain at selected reaches in Ward No.10, BBMP, Bangalore.
Reference	: AEE/VP/WO/128/2013-14 Dated: 18.07.2013
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.07.2013	24.08.2013	8.267	498.5	22.16
2	27.07.2013	24.08.2013	8.169	487.6	21.67
3	27.07.2013	24.08.2013	8.321	505.3	22.46

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